

CLAIMS

1. (Currently Amended) A method of altering a round trip delay measurement in a communication system, comprising the steps of:

receiving an input signal;

determining whether a predetermined tone sequence is detected wherein the detection of said tone sequence indicates that a round trip delay is measured; and processing said input signal and generating a corresponding digital signal;

wherein when the tone sequence is detected, routing said digital signal to an output terminal, and further, wherein if the tone sequence is not detected, routing said input signal to said output terminal.

2. (Canceled)

3. (Canceled)

4. (Original) The method of claim 1 wherein said communication system includes a pair gain system.

5. (Currently Amended) An apparatus for altering a round trip delay measurement in a communication system, comprising:

a detector configured to receive an input signal and to detect a predetermined tone sequence wherein a detection of said predetermined tone sequence by said detector indicates that a round trip delay is measured;

a digital signal processor for processing said input signal and generating a corresponding digital signal; and

a selector coupled to said detector and said digital signal processor, said selector configured to receive said input signal and said digital signal;

wherein when said detector detects said predetermined tone sequence, said selector is configured to provide said digital signal to an output terminal, and further, when the detector does not detect said predetermined tone sequence, said selector is further configured to output said input signal to said output terminal.

6. (Canceled)

7. (Canceled)

8. (Original) The apparatus of claim 5 wherein said communication system includes a pair gain system.

9 – 18. (Canceled)

19. (Currently Amended) An apparatus for altering a round trip delay measurement in a communication system, comprising:

means for receiving an input signal;

means for determining whether a predetermined tone sequence is detected
wherein a detection of said predetermined tone sequence by said detector indicates that a round trip delay is measured;

means for processing said input signal and generating a corresponding digital signal; and

means for routing said digital signal to an output terminal when said tone sequence is detected, said routing means further configured to route said input signal to said output terminal when said tone sequence is not detected.

20 - 21. (Canceled)